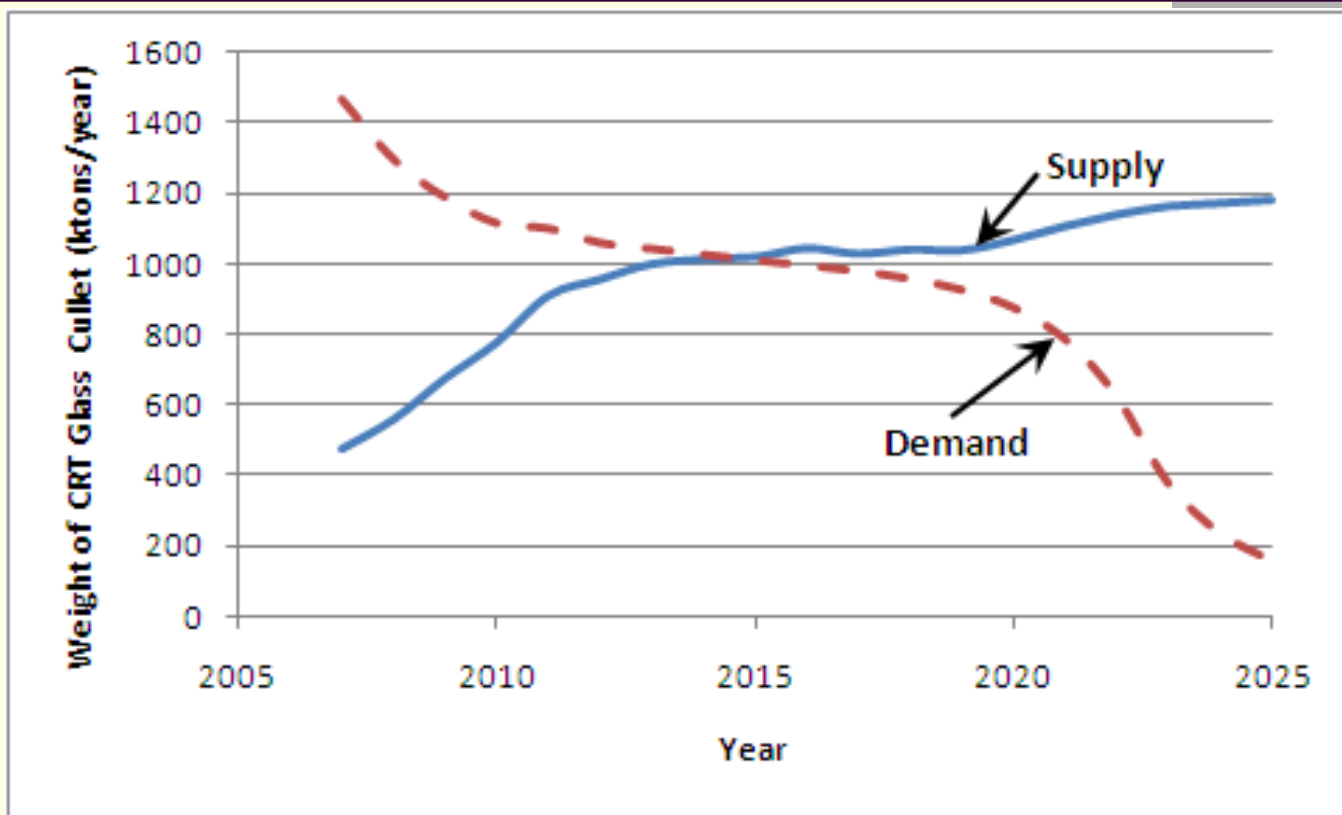




# **Incentives to Recycle CRT Glass in the Proposed Regulations**

**André Algazi, Chief  
Consumer Products Section  
Office of Pollution Prevention and Green  
Technology  
Department of Toxic Substances Control**

# The CRT Glass Market



**Gregory, J.; Nadeau, M.; Kirchain, R. Evaluating the Economic Viability of a Material Recovery System: The Case of Cathode Ray Tube Glass. *Environ. Sci. Technol.* 2009 43, 9245–9251.**

# Priority:

---

- Ensure that management of hazardous waste CRT glass is safe and compliant

# Existing framework...

---

- California's Hazardous Waste Control Law and implementing regulations provide an existing framework for managing hazardous waste in ways that protect public health and the environment

# Conditions for disposal of non-RCRA glass (e.g., panel)

---

- Hazardous waste only due to TTLC
- Waste analysis plan
  - Requires sampling and lab analysis of glass

# DTSC's proposed regulations...

---

- Give handlers the option to manage CRT glass under the existing HW framework

# Incentives to recycle built into the statutes and regulations

---

- Exemptions
- Exclusions
- Disposal fees
- Etc.

# Try recycling first...

---

- For disposal: justification as to why disposal was selected





# When recycling isn't feasible...

---

- The hazardous waste statutes and regulations provide for safe disposal:
  - Landfill permit conditions:
    - Liners
    - Groundwater monitoring
    - Etc.
  - Land disposal restrictions (LDRs)

# For solid waste disposal of CRT glass (e.g., panel)...

---

- Health and Safety Code section 25141.5(b)(3) has very limited applicability
- Our proposal contains conditions to ensure the handler/recycler meets (and documents that it meets) the conditions

# “Other forms of recycling”

---

- Default: hazardous waste generator requirements
  - EPA ID number, manifest, registered transporter, etc.
- Excluded or exempted recycling:
  - Generator requirements may not apply

# From annual report data...

---

- DTSC will consider adding additional recycling destinations to UW regulations
- This would allow them to manage the glass as a universal waste handler (vs. as HWG) and transport it as a universal waste transporter



# Thank you...

André Algazi  
Consumer Products Section  
Toxics in Products Branch  
Office of Pollution Prevention and Green Technology  
Department of Toxic Substances Control  
[aalgazi@dtsc.ca.gov](mailto:aalgazi@dtsc.ca.gov)  
(916) 324-3114